

SAMPLING AND TESTING GUIDE FOR ACCEPTANCE AND VERIFICATION

| MATERIALS/TESTS | ITEM NO. (See Note 5) | ACCEPTANCE OR CONTRACTOR SAMPLING & TESTING | SAMPLING & TESTING FOR SMALL QUANTITIES | VERIFICATION SAMPLING & TESTING (N/A FOR SMALL QUANTITIES) (See Note 4) | SAMPLE LOCATION | SAMPLE SIZE | REMARKS |
|--|--------------------------|--|--|--|---|------------------------------------|---------|
| 01. CONCRETE (PAVEMENT, STRUCTURAL AND MISCELLANEOUS) | | | | | | | |
| A. Cement (See Note 1) | 701 | Certificate of Compliance. Check samples of 1 for approximately every 5,000 yd ³ of concrete placed and as required for control | If concrete is used for incidental construction, Certificate of Compliance | N/A | Weigh hopper or in the feed line immediately in advance of the hopper | 30 lbs. | |
| B. Aggregate (See Note 1) | 703.01 | | | | | | |
| (1) Fine & Coarse Aggregate | 703.02 | | | | | | |
| (a) Gradation | | 1 for approximately every 2 weeks or 500 yd ³ of concrete placed and as required for control | (See Note 2) | 1 per 10 acceptance tests | (See Note 3) | 50 lbs. (C.A.) 10 lbs. (F.A.) | |
| (b) Specific Gravity | | When aggregate changed or as required for source information | N/A | N/A | (See Note 3) | 10 lbs. (C.A.) 5 lbs. (F.A.) | |
| (c) Moisture | | As required for information | N/A | N/A | (See Note 3) | 5 lbs. (C.A.) | |
| (2) Coarse Aggregate | | | | | | | |
| (a) Clay Lumps and Friable Particles; L.A. Abrasion; and Flat and Elongated Pieces | | When aggregate changed or at least once a year | N/A | N/A | (See Note 3) | 200 lbs. | |
| (3) Fine Aggregate | | | | | | | |
| (a) Sand Equivalent | | If required, 1 for approximately every 2 weeks or 3,000 yd ³ of concrete placed or as required for control | (See Note 2) | When required, 1 per 5,000 yd ³ | (See Note 3) | 2 lbs. | |
| (b) Clay Lumps and Friable Particles; Organic Impurities; and L.A. Abrasion on Parent Material for Manufactured Fines Only | | When aggregate changed or at least once a year or 1 per project | N/A | 1 per project | (See Note 3) | 50 lbs. | |
| (c) Complete | | When new source is proposed for use or when aggregate changed | N/A | N/A | Stockpile / (See Note 3) | 200 lbs. (C.A.) 100 lbs. (F.A.) | |

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|---|--------------------------|--|---|--|---|--|---------|
| 01. CONCRETE (PAVEMENT, STRUCTURAL AND MISCELLANEOUS) CONT'D | | | | | | | |
| C. Water (See Note 1) | 712.01 | 1 per source. (Obviously suitable source as drinking water requires no sampling) | N/A | N/A | At point of use | 3 gals. - Use glass or plastic jugs w/ lined sealed lids | |
| D. Admixture | 711 | When admixture is initially used in state work, Certificate of Compliance with test results | If previously used in other state work, Certificate of Compliance | N/A | | | |
| E. Concrete Mixture - Pavements | 411 | | | | | | |
| (1) Compressive Strength (28 days, 7 days), when required by Central Laboratory | 601 | 1 set for approximately 300 yd ³ of concrete placed for concrete specified by class; 1 set for each 150 yd ³ and fractional thereof placed on any day or as required for acceptance for concrete specified by strength | 1 set per day of pour | 1 per project | At point concrete deposited in the work | 1 set of 2 - 6"x12" cylinders for each test age | |
| (2) Flexural Strength | | 1 set per half day or as required for control | 1 set per half day of pour or as required for control | 1 per project | At point concrete deposited in the work | 1 set of 2 - 6"x6"x 21" beams for each test age | |
| (3) Yield, Cement Factor, and Unit Weight (See Note 1) | | As necessary to assure accuracy of mix design or as necessary for control. When yield test used for payment, 1 per project | | When yield test used for payment, 1 per project | At point concrete deposited in the work | Approximately 1 ³ ft | |
| (4) Slump Test | | When test specimen are fabricated or when consistency or uniformity is questionable | When test specimen are fabricated or when consistency or uniformity is questionable | 1 per project (Observation) | At point concrete deposited in the work | | |
| (5) Entrained Air | | When entrained air is specified, 1 approximately every 300 yd ³ or as necessary for control or as required for control. | N/A | When entrained air is specified, 1 per project | At point concrete deposited in the work | | |

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| 01. CONCRETE (PAVEMENT, STRUCTURAL AND MISCELLANEOUS) CONT'D | | | | | | | |
| F. Concrete Mixture - Bridges & Major Structures (R.C.B., P.C.C., Arch Culverts, & Retaining Walls) | 504 503 601 | | | | | | |
| (1) Compressive Strength (28 days, 7 days) | | 1 set for approximately 300 yd ³ of concrete placed for concrete specified by class; 1 set for each 150 yd ³ and fractional thereof placed on any day or as required for acceptance for concrete specified by strength | 1 set per day of pour | 1 per project | At point concrete deposited in the work | 1 set of 2 - 6"x12" cylinders for each test age | |
| (2) Yield, Cement Factor, and Unit Weight (See Note 1) | 504 503 601 | As necessary to assure accuracy of mix design or as necessary for control. When yield test used for payment, 1 per project | N/A | When yield test used for payment, 1 per project | At point concrete deposited in the work | Approximately 1 ft ³ | |
| (3) Slump Test | | When test specimen fabricated or when consistency or uniformity is questionable | When test specimen are fabricated or when consistency or uniformity is questionable | 1 per project (Observation) | At point concrete deposited in the work | | |
| (4) Entrained Air | | If entrained air is specified, 1 approximately every 300 yd ³ or as necessary for control or as required for control | N/A | When entrained air is specified, 1 per project | At point concrete deposited in the work. | | |
| G. Concrete Mixture - Miscellaneous Concrete (Concrete for Incidental Construction) | 601 604 607 608 | | | | | | |
| (1) Compressive Strength (28 days, 7 days) | 609 610 621 622 623 640 | 1 set for each day when volume exceeds 25 yd ³ or as required for acceptance for concrete specified by strength | If concrete is less than 25 yd ³ , 1 per accumulative 100 yd ³ . None if total days run less than 25 yd ³ | 1 per project. When total days run less than 25 yd ³ , none | At point concrete deposited in the work | 1 set of 2 - 6"x12" cylinders for each test age | |
| (2) Yield, Cement Factor, and Unit Weight (See Note 1) | | As necessary to assure accuracy of mix design or as necessary for control | N/A | If yield test used for payment, one (1) per project | At point concrete deposited in the work | Approximately 1 ft ³ | |

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| 01. CONCRETE (PAVEMENT, STRUCTURAL AND MISCELLANEOUS) CONT'D | | | | | | | |
| (3) Slump Test | | When test specimen are fabricated or when consistency or uniformity is questionable | N/A | 1 per project (Observation) | At point concrete deposited in the work | | |
| (4) Entrained Air | | When entrained air is specified, 1 approximately every 300 yd ³ or as required for control | N/A | When entrained air is specified, 1 per project | At point concrete deposited in the work | | |
| 02. CEMENT TREATED PERMEABLE BASE | 309 | | | | | | |
| A. Cement (See Note 1) | 701 | Accepted by manufacturer's or supplier's Certificate of Compliance supplemented with check testing. Check sample for approximately every 5,000 yd ³ of concrete placed and as required for control | N/A | N/A | Weigh hopper or in the feed line immediately in advance of the hopper. | 30 lbs. | |
| B. Aggregate (See Note 1) | 703.02 | 1 per day or as required for control | N/A | 1 per 10 acceptance tests | (See Note 3) | 250 lbs. | |
| 03. ASPHALT CONCRETE | 401 | | | | | | |
| A. Asphalt Cement | 702.01 | 1 per approximately every 7,500 tons of asphaltic concrete | If less than 500 gals. per project, Certificate of Compliance with test results | 1 per project minimum | Plant line | 2 qts. | |
| B. Aggregate | 703.09 | | | | | | |
| (1) Gradation | | 1 per approximately every 500 tons of asphaltic concrete | If less than 150 tons per project, visual inspection | 1 per 10 acceptance tests. 1 per project minimum | Plant conveyor belt | 10 lbs. | |
| (2) Sand Equivalent | | 1 per approximately every 2,500 tons of asphaltic concrete | If less than 150 tons per project, none | 1 per 10 acceptance tests. 1 per project minimum | Plant conveyor belt | 10 lbs. | |
| (3) Los Angeles Abrasion, Stripping, K Factor, Flat & Elongated Pieces | | 1 per year per source, minimum | N/A | 1 per year per source | Plant conveyor belt | 40 lbs. | |

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| 03. ASPHALT CONCRETE CONT'D | | | | | | | |
| (4) Complete Aggregate Test | | When new source is proposed for use or when aggregate changed | N/A | When new source is proposed for use or when aggregate changed | Plant conveyor belt/ stockpile | 200 lbs. | |
| C. Uncompacted AC Mixture For Specific Gravity | 401 | 1 per approximately every 500 tons of asphaltic concrete | If less than 150 tons per project, none. | 1 per 10 acceptance tests. 1 per project minimum | Jobsite - From paver at auger | 5 lbs. | |
| D. Uncompacted AC Mixture For Asphalt Content & Design Check | | 1 per approximately every 7,500 tons of asphaltic concrete | If less than 150 tons per project, none | 1 per project minimum | Plant - Off truck bed | 15 lbs. | |
| E. Compacted AC Cores | | 1 per approximately every 3,000 yd ² of surface area paved per day, minimum 3 per day | If less than 150 tons per project, none. | 1 per 10 acceptance tests. 1 per project minimum | Jobsite - Pavement | 4 in. diameter cores | |
| 04. PLANT MIX GLASSPHALT CONCRETE BASE COURSE | 312 | Same as Asphalt Concrete | | | | | |
| 05. ASPHALT TREATED PERMEABLE BASE | 311 | | | | | | |
| A. Asphalt Cement | 702.01 | 1 per approximately every 7,500 tons of asphalt treated permeable base | If less than 500 gals. per project, Certificate of Compliance with test results | 1 per project minimum | Plant line | 2 qts. | |
| B. Aggregate | 703.09 | | | | | | |
| (1) Gradation | 311.03 | 1 per approximately every 3,000 tons of asphalt treated permeable base | If less than 250 tons per project, visual inspection | 1 per 10 acceptance tests. 1 per project minimum | Plant conveyor belt | 50 lbs. | |
| 06. PRIME COAT | 408 702.03 | 1 per approximately every 10,000 gals. | If less than 500 gals. per project, Certificate of Compliance with test results | 1 per project minimum | Jobsite - Distributor truck | 1 gal. | |
| 07. TACK COAT | 407 702.04 | 1 per approximately every 10,000 gals. | If less than 500 gals. per project, Certificate of Compliance with test results | 1 per project minimum | Supplier's Plant - Storage tank before dilution | 1 gal. | |

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| 08. BITUMINOUS SEALS | 404, 409 | | | | | | |
| A. Asphalt Cement, Liquid Asphalt, and Asphalt Emulsion | 702.01 702.03 702.04 | 1 per approximately every 10,000 gals. | If less than 500 gals. per project, Certificate of Compliance with test results | 1 per project minimum | AC - Plant line LA - Distributor Tank Truck Emulsion – Supplier's plant storage tank | AC - 2 qts. LA - 1 gal. Emulsion - 1 gal. | |
| B. Aggregate | 703.09 703.11 | | | | | | |
| (1) Gradation, L.A. Abrasion, Stripping and Flat & Elongated Pieces | | 1 prior to use and as required for information and/or acceptance | If less than 250 tons per project, visual inspection. | 1 per project minimum | Plant conveyor belt | 50 lbs. | |
| 09. CUT SUBGRADE | 203 | | | | | | |
| A. Gradation, Sand Equivalent, Proctor | 203 | 1 per soil type | If less than 2500 ft ² , Certificate of Compliance | 1 per project | Jobsite - On roadbed | 250 lbs | |
| B. Compaction | | 1 per soil type per lift per 500 lin. ft. per lane | If less than 2500 ft ² , visual inspection | 1 Visual inspection per project | Jobsite - On roadbed | N/A | |
| 10. EMBANKMENT FILLS & IMPORT BORROW | 203 | | | | | | |
| A. Gradation, Sand Equivalent, Proctor | 203 | 1 per soil type | If less than 2500 ft ² , Certificate of Compliance | 1 per project | Jobsite - On roadbed | 250 lbs | |
| B. Compaction Below 2.5 ft. | | 1per lift per 2,000 yd ³ | If less than 3,000 yd ³ , visual inspection | N/A | Jobsite - On roadbed | N/A | |
| C. Compaction Above 2.5 ft. | | 1per lift per 500 lin. ft. per lane | If less than 500 lin. ft. per lane, visual inspection | 1 Visual inspection per project | Jobsite - On roadbed | N/A | |

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| 11. STRUCTURAL BACKFILL | 206 | | | | | | |
| A. Gradation, Sand Equivalent, Proctor | 703.20 | 1 per 1,500 yd ³ per type | If less than 250 yd ³ of type B backfill, Certificate of Compliance. N/A for Type A backfill | 1 per 10 tests, but not less than 1 | Jobsite - On roadbed | 250 lbs. | |
| B. Compaction | 206 | 1 per lift per 500 ft ² | If less than 500 ft ² , per use for type B backfill, none. N/A for type A backfill | 1 Visual inspection per project | Jobsite - On roadbed | N/A | |
| 12. TRENCH BACKFILL (INCLUDING BED COURSE) | 206 | | | | | | |
| A. Gradation, Sand Equivalent, Proctor, Resistivity & pH as Required | 703.21 | 1 per 1,500 yd ³ per type | If less than 100 yd ³ traffic area, or if less than 250 yd ³ non-traffic area, Certificate of Compliance | 1 per 10 tests, but not less than 1 | Jobsite - On roadbed | 250 lbs. | |
| B. Compaction | 206 | 1 per lift per 300 lin. ft | 1 per traffic crossing per lift. If less than 300 lin. ft. for other areas, visual inspection | Visual inspection | Jobsite - On roadbed | N/A | |
| 13. AGGREGATE BASE COURSE | 304 | | | | | | |
| A. L.A. Abrasion, Plasticity Index, Flat & Elongated Pieces, Crushed Particles | 703.06 | 1 per material source | If less than 250 yd ³ per project, Certificate of Compliance | N/A | Jobsite - On roadbed | 100 lbs. | |
| B. Gradation, Sand Equivalent, Proctor | 703.06 | 1 per 1,500 yd ³ per material type but not less than 1 | If less than 250 yd ³ per project, Certificate of Compliance | 1 per 10 tests, but not less than 1 | Jobsite - On roadbed | 250 lbs. | |
| C. Compaction | 304 | 1 per lift per 1,000 ft ² | If less than 1,000 yd ² per project, visual inspection | Visual inspection | Jobsite - On roadbed | N/A | |

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| 14. AGGREGATE SUBBASE | 305 | | | | | | |
| A. Plasticity Index Gradation, Sand Equivalent, Proctor | 703.17 | 1 per 1,500 yd ³ , but not less than 1 | If less than 250 yd ³ per project, Certificate of Compliance | 1 per 10 tests, but not less than 1 | Jobsite - On roadbed | 250 lbs. | |
| B. Compaction | 305 | 1 per lift per 1,000 ft ² | If less than 1,000 yd ² per lift per project, visual inspection | Visual inspection | Jobsite - On roadbed | N/A | |
| 15. UNTREATED PERMEABLE BASE | 306 | | | | | | |
| A. Prime Coat For Permeable Base Course | 420.02 | 1 per approximately 10,000 gals. (See Note 1) | If less than 500 gals. per project, Certificate of Compliance | N/A | Storage tank before dilution | 1 gal. | |
| B. Coarse Aggregate and Filler | 703.04 | | | | | | |
| (1) Gradation, L.A. Abrasion, Flat & Elongated Pieces | | 1 per material source | If less than 500 tons per project, Certificate of Compliance | N/A | Jobsite - On roadbed | 150 lbs. | |
| (2) Gradation | | 1 per 3,000 tons per material type | If less than 500 tons per project, Certificate of Compliance | 1 per 10 tests, but not less than 1 | Jobsite - On roadbed | 60 lbs. | |
| 16. PAVING FABRIC | 412 | | | | | | |
| A. Asphalt Cement | 702.01 | 1 per approximately 10,000 tons of AC (See note 1) | If less than 500 gals. per project, Certificate of Compliance with test results | 1 per project minimum | Plant line | 2 qts. | |
| B. Paving Fabric | 716.04 | Certificate of Compliance and Certified test results | N/A | N/A | | | |

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| 17. UNDERDRAINS | 605 | | | | | | |
| A. Perforated/Unperforated Pipe | 706.12 | Certificate of Compliance | N/A | N/A | | | |
| B. Permeable Separator | 716.03 | Certificate of Compliance | N/A | N/A | | | |
| C. Crushed Rock | 605 703.04 | | | | | | |
| (1) Gradation, L.A. Abrasion | | 1 per 3,000 tons | If less than 500 tons per project, Certificate of Compliance | 1 per project | Jobsite - On roadbed | 150 lbs. | |
| 18. CURING COMPOUND | 411, 503 711.01 | Certificate of Compliance | N/A | | | | |
| 19. JOINT FILLER | 411, 503 705.01 | Certificate of Compliance | N/A | 1 per project | | 1 ft. x 2 ft. | |
| 20. JOINT SEALER | 411, 503 705.04 | Certificate of Compliance | N/A | | | | |
| 21. WATERPROOFING ASPHALT | 503, 705.06 | Certificate of Compliance | N/A | | | | |
| 22. WATERPROOFING PRIMER | 503, 705.06 | Certificate of Compliance | N/A | | | | |
| 23. ASPHALT SATURATED FABRIC | 503, 705.06 | Certificate of Compliance | N/A | | | | |
| 24. TRAFFIC PAINT | 629 708.06 | From approved product list and 1 per batch | If less than 25 gallons per project, Certificate of Compliance with test results | | Jobsite | 2 qts. | |
| 25. RUBBER STOP | 503, 705.07 | Certificate of Compliance | N/A | | | | |
| 26. METAL GUARDRAIL | 606 710.04 | Certificate of Compliance and Certified test results | N/A | N/A | N/A | N/A | |
| 27. GUARDRAIL HARDWARE | 710.08 | Certificate of Compliance and Certified test results | N/A | N/A | N/A | N/A | |
| 28. BRIDGE RAILINGS AND POST | 507 710.09, 710.10 | Certificate of Compliance and Certified test results | N/A | N/A | | | |
| 29. NEOPRENE BEARING PAD | 503 712.09 | Certificate of Compliance and Certified test results | N/A | N/A | | | |

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| 30. VITRIFIED CLAY PIPE | 625, 706.08 | Certificate of Compliance | N/A | N/A | | | |
| 31. REINFORCED CONCRETE GUARDRAIL POST | 606 710.06 | Certificate of Compliance and Certified test results | N/A | N/A | | | |
| 32. PAVEMENT MARKERS | 629 712.40 | Certificate of Compliance with Certified test results and 1 sample per batch | If less than 1,000 markers per project, Certificate of Compliance with Certified test results | 1 for every 10,000 or less or 1 per batch | Jobsite or source | 10 for non- reflective markers and 6 for reflective markers | |
| 33. PAVEMENT MARKER EPOXY | 629, 712.41 | Certificate of Compliance | N/A | N/A | | | |
| 34. PAVEMENT MARKER BITUMINOUS ADHESIVE | 629 712.41 | 1 per lot | If less than 1000 markers per project, Certificate of Compliance with test results | 1 per project minimum | | 1/2 box per lot | |
| 35. PLASTIC CONDUIT | 622, 625 706.09, 712.27 | Certificate of Compliance and Certified test results | N/A | N/A | | | |
| 36. RIGID STEEL CONDUIT | 622 712.27 | Certificate of Compliance and Certified test results | N/A | N/A | | | |
| 37. SEED | 618, 641 | Certificate of Compliance | | | | | |
| 38. ELECTRICAL CONDUCTOR | 622, 712.34 | Certificate of Compliance | | | | | |
| 39. GEOSYNTHETICS | 412, 605 648, 716 | Certificate of Compliance | N/A | | | | |
| 40. THERMOPLASTIC | 629, 712.55 | Certificate of Compliance | N/A | | | | |
| 41. PAVEMENT MARKING TAPE | 629, 712.53 | Certificate of Compliance | N/A | | | | |
| 42. WOVEN FENCE | 607 710.02 | Certificate of Compliance and Certified test results | N/A | N/A | N/A | N/A | |
| 43. TOPSOIL | 617 712.17 | 1 sample per type | If less than 1,000 ft ² , visual inspection | N/A | Jobsite | 50 lbs. | |
| 44. PRESERVATIVES FOR TIMBER | 502, 714.02 | Certificate of Compliance | | | | | |

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| 45. CONCRETE PIPE | 603 706.02 706.17 | 1 joint length for approximately every 50 joint lengths for 3 edge bearing load test. Inspected at plant and released by Central laboratory | If less than 100 lin. ft. per project, Certificate of Compliance | | Strength tests usually performed at plant | | 1 D-load per every 50 pieces |
| 46. CORRUGATED METAL PIPE | 603 707.02 707.03 | Visual, accepted by manufacturer's or supplier's Certificate of Compliance. Inspected at plant and released by Central Laboratory | | N/A | At fabrication point or at time of use | | |
| 47. REINFORCING STEEL | 504 602 610 709.01 | Sample each size for each brand and additional samples as necessary. Approved together with fabricator's certified analysis | If less than 200 lbs. per project, Certificate of Compliance | | Jobsite or source | 3 specimen 36" long | |
| 48. WIRE MESH REINFORCEMENT | 602 709.01 | Each 10 tons or fraction thereof | If less than 200 lbs. per project, Certificate of Compliance | | Jobsite | 3 feet x 3 feet | |
| 49. WIRE ROPE OR CABLE | 709.02 | Certificate of Compliance with Certified test results and 1 sample per type per lot | 1 set per project | 1 set per project | Jobsite | 2 strands 4-1/2 ft. long | |
| 50. STRUCTURAL PLATE ARCHES | | Certificate of Compliance | | N/A | Jobsite | | |
| 51. PRE-STRESSED STRANDS | 504 709.03 | Certificate of Compliance with Certified test results and 1 sample per type per lot | 1 set per project | 1 set per project | Jobsite | 2 strands 4-1/2 ft. long | |
| 52. STEEL PRODUCTS | 602.02 | Certificate of Compliance and Certified test results | N/A | N/A | | | |
| 53. BARB WIRE | 607, 710.01 | Certificate of Compliance | N/A | N/A | | | |
| 54. BOLTS & HARDWARE | 713.01 713.03 713.04 | Certificate of Compliance and Certified test results | N/A | N/A | | | |
| 55. BRICK | 704 | Certificate of Compliance | N/A | N/A | | | |

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| 57. CHAIN LINK FENCE | 607 710.03 | | | | | | |
| A. Fabric | | Certificate of Compliance with Certified test results and 1 sample per lot or per project | If less than 200 ft ² per project, Certificate of Compliance with Certified test results | 1 sample per project or 1 sample per lot | Jobsite | 3 ft. length, full height | |
| B. Posts | | Certificate of Compliance with Certified test results and 1 sample per lot or per project | If less than 30 lin. ft. per project, Certificate of Compliance with Certified test results | 1 sample per project or 1 sample per lot | Jobsite | 12 inch length each end | |
| C. Tension Wire | | Certificate of Compliance with Certified test results and 1 sample per lot or per project | If less than 100 lin. ft. per project, Certificate of Compliance with Certified test results | 1 per sample per project or 1 sample per lot | Jobsite | 3 ft. length | |
| D. Tie Wire | | Certificate of Compliance with Certified Test results and 1 sample per lot or per project | If less than 25 lbs. per project, Certificate of Compliance with Certified test results | 1 sample per project or 1 sample per lot | Jobsite | 3 ft. length | |
| E. Fittings | | Certificate of Compliance with Certified test results | N/A | N/A | N/A | N/A | |

Note 1: Not required if the same source is being used on other projects and test is being made. Not necessary to duplicate the test for the sake of the record. The actual test results may be used anywhere they are applicable.
(Established Source with Acceptable Quality Control/System Basis)

Note 2: When gradation is being determined by a qualified plant technician at the plant, the guide schedule for gradation and sand equivalent as sampled by the plant inspector may be reduced to approximately 1/5. However, the schedule should be supplemented with the contractor's quality control results.

Note 3: One of the following locations listed in order of preference: (a) Belt from weigh hopper to central or transit mixer; (b) Belt which feeds batch plant bins immediately preceding the weigh hopper, (c) Discharge gate of weigh hopper, (d) Discharge gates of bins feeding the weigh hopper at the batch plant. The location and method of sampling are to be determined and agreed upon by the Engineer and the Contractor. Once selected, the location and method of sampling are not to be changed during the life of the project, or so long as there is no change in Plant's configuration or operation.

Note 4: When the Contractor's tests results are to be verified on a comparative basis as part of the overall acceptance program, the verification testing should be done at a frequency of not less than 10 percent of the frequency for Contractor's sampling and testing in the approved quality assurance plan or a minimum of 5 samples, which is the minimum number required to perform statistical evaluation. As Contractor demonstrates consistency of performance or test results are statistically similar, the Engineer may modify the sampling and testing requirements as shown below.

Note 5: Item Nos. shown are the common references encountered in most construction projects. For unusual items, consult the Materials Testing & Research Branch.